

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
16 June 2005 (16.06.2005)

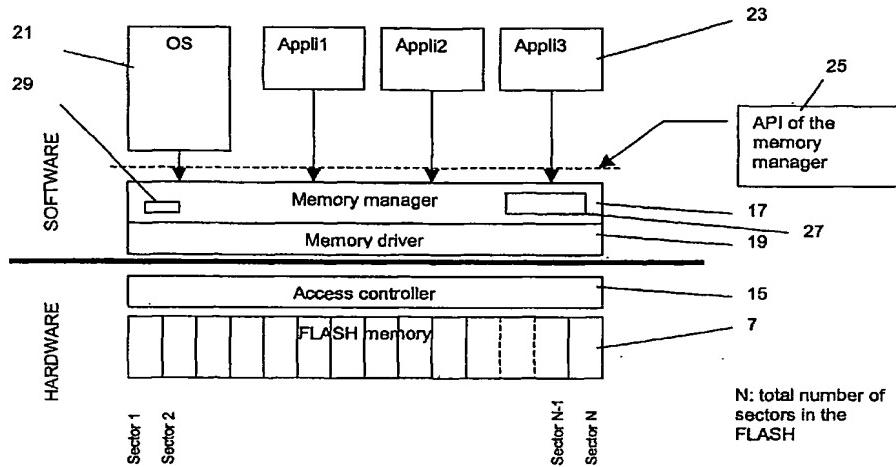
PCT

(10) International Publication Number  
**WO 2005/055019 A1**

- (51) International Patent Classification<sup>7</sup>: **G06F 1/00**
- (21) International Application Number:  
**PCT/IB2004/003976**
- (22) International Filing Date: 1 December 2004 (01.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
03293002.6      2 December 2003 (02.12.2003) EP
- (71) Applicant (*for all designated States except US*): **AXALTO SA [FR/FR]**; 50 Avenue Jean Jaures, F-92120 Montrouge (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **NGO, VanTai [FR/FR]**; c/o AXALTO SA, Direction Propriété Intellectuelle, 36-38 Rue de la Princesse, BP 45, F-78431 Louveciennes (FR). **BOUDOU, Alain [FR/FR]**; c/o AXALTO SA, Direction Propriété Intellectuelle, 36-38 rue de la Princesse, BP 45, F-78431 Louveciennes (FR).
- (74) Common Representative: **AXALTO SA**; Patricia RE-NAULT/Direction Propriété Intellectuelle, 36-38 Rue de la Princesse, BP 45, F-78431 Louveciennes (FR).
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

*[Continued on next page]*

(54) Title: METHOD TO CONTROL THE ACCESS IN A FLASH MEMORY AND SYSTEM FOR THE IMPLEMENTATION OF SUCH A METHOD



WO 2005/055019 A1

(57) Abstract: This invention concerns a method to control the access to a sector of a Flash type memory of an electronic module which consists in checking that the owner of the data to be written has write access to a partition of said sector. The method consists in checking at least one additional rule on the sector concerned in order to allow possible erasure of the entire said sector before writing in it. The rule(s) are used to check that erasure of the sector concerned does not delete data which must be kept. This invention also concerns the electronic module in which the method is implemented



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*